

ABSTRACT

A portable positive pressure breathing apparatus includes a demand valve with a supply inlet port adapted to be connected to a pressurized source of oxygen and an outlet port adapted to be connected to the inlet of a patient's breathing appliance. The demand valve further includes a reference chamber and a valve assembly responsive to the reference chamber/appliance inlet pressure differential for connecting/disconnecting the inlet port to and from the outlet port. At least one manually adjustable back pressure regulator is connected to the pressure source and the reference chamber for setting the pressure in the reference chamber (and inlet to the breathing appliance) at a selected level above atmospheric pressure.